

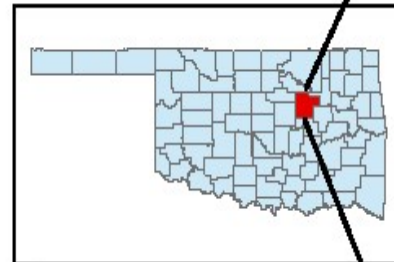
Wilcox Oil Company Superfund Site

**Remedial Investigation Open House
April 13, 2017**

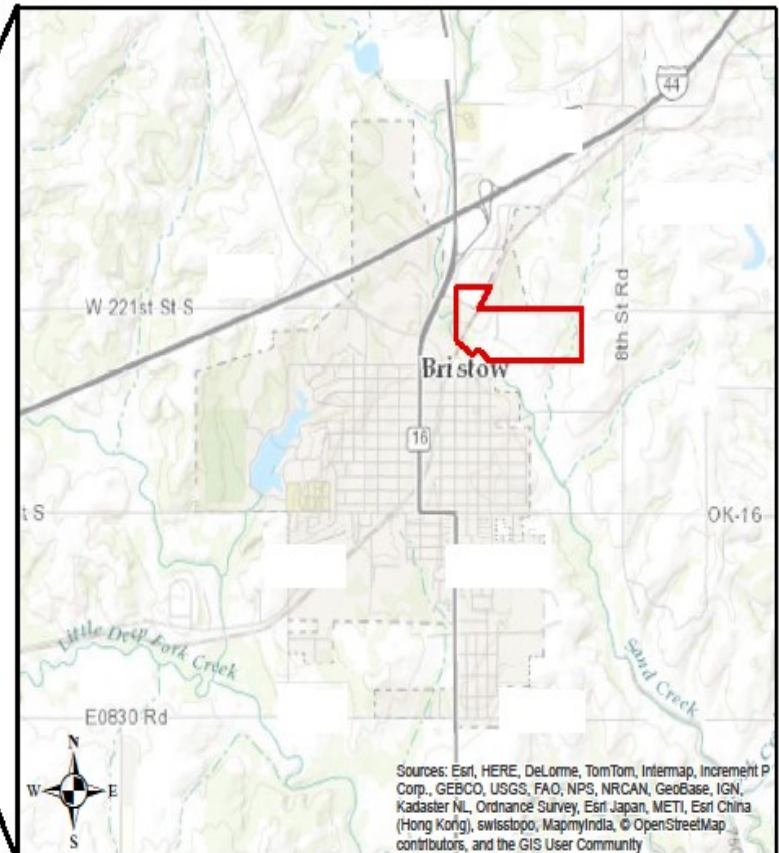


Site Location

The Site is situated NE of Bristow, Creek County, Oklahoma



Wilcox Oil Company Superfund Site Bristow, OK

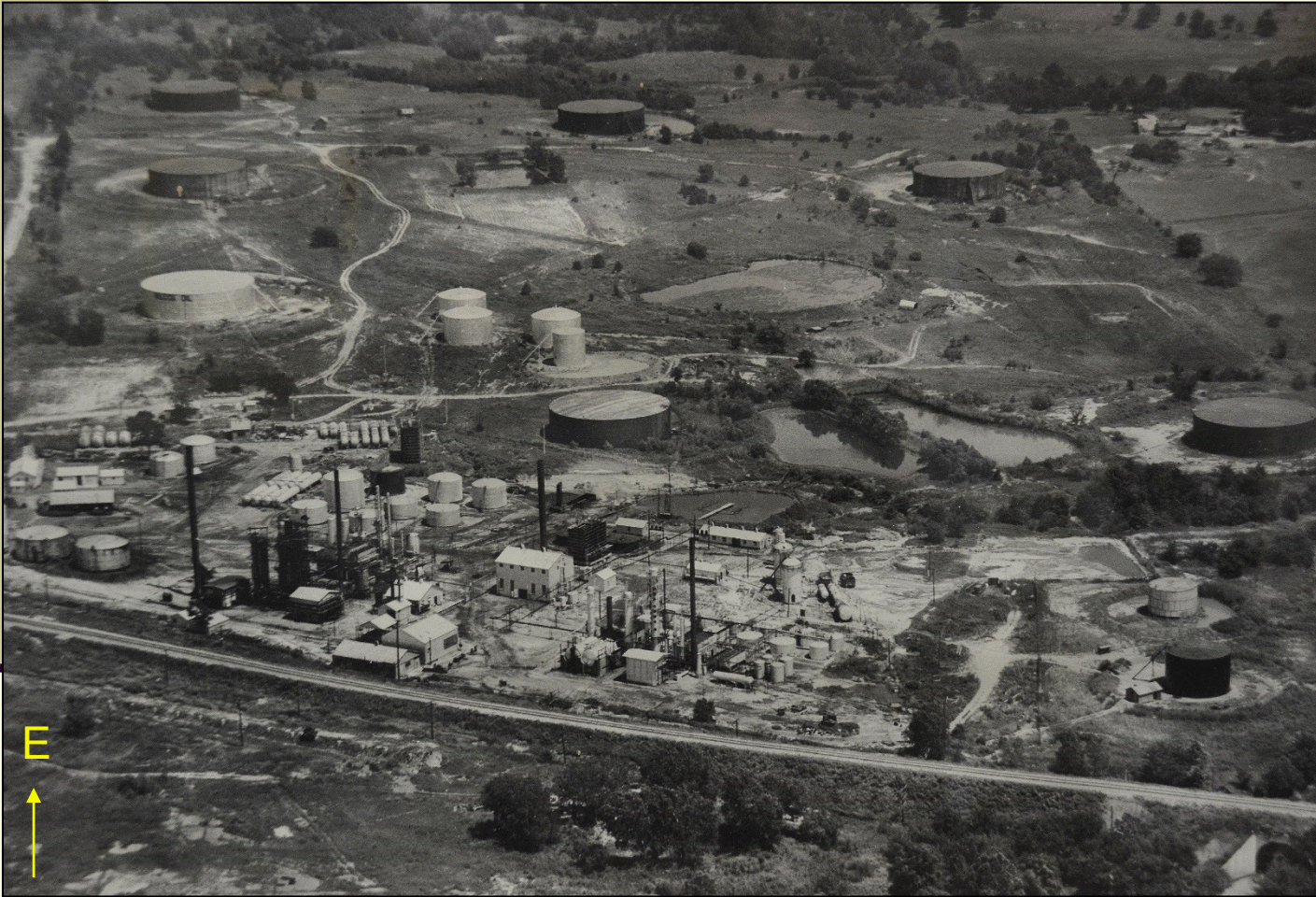


Site Background

Operation:
Oil Refinery

Activity Period:
1915 through 1963

Size:
about 140 to 150
acres



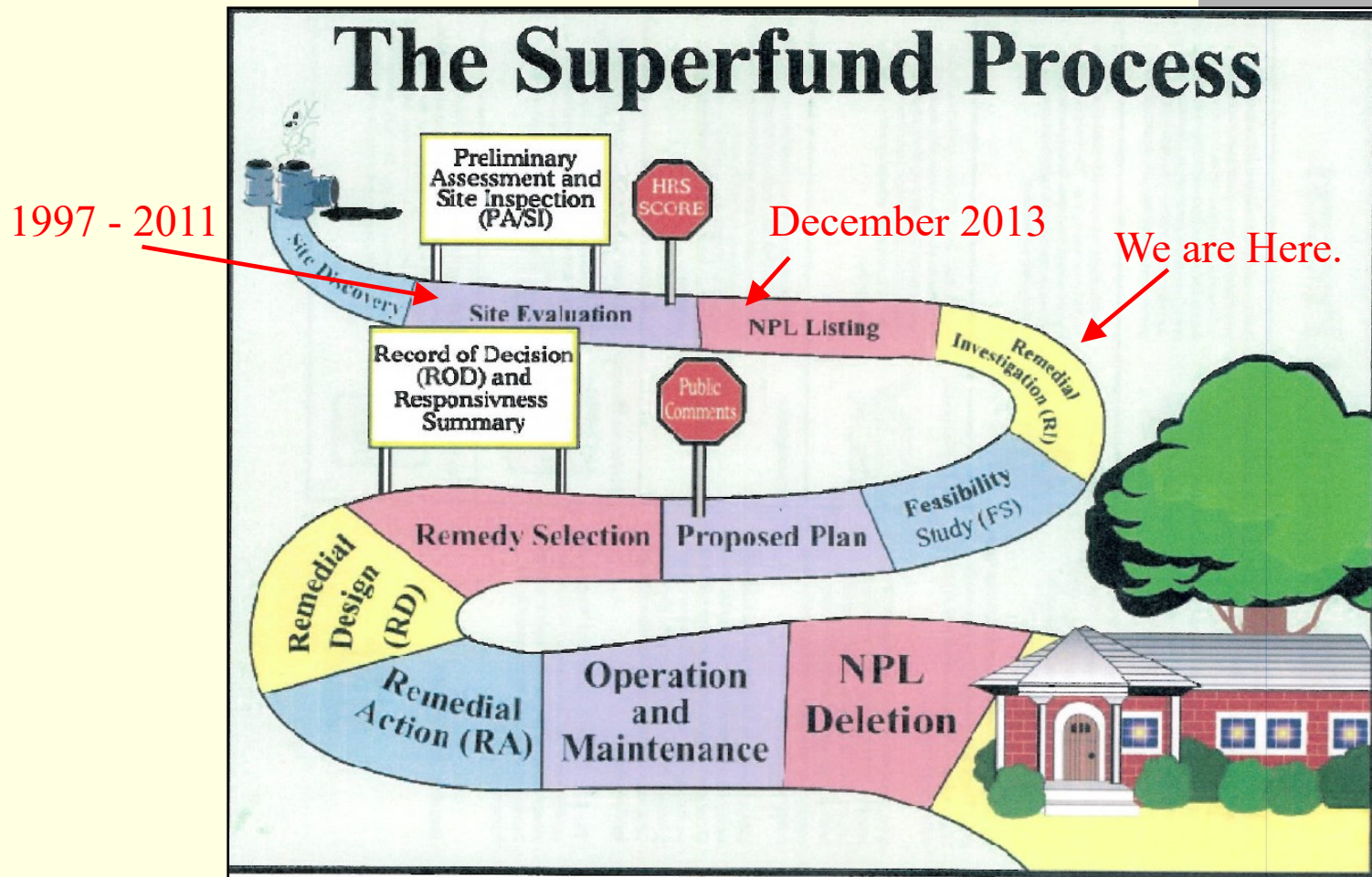
1950s Aerial Photograph

Site Discovery

- ODEQ Inventory Review
- Site Investigations
 - Preliminary Assessment (PA)
 - Site Inspection (SI)
 - Expanded Site Inspection (ESI)
- Presence of
 - organics and metals contaminants in the soil
 - Oil/tar-like waste material.
- National Priorities List
 - Proposed: May 24, 2013
 - Listed: December 12, 2013



Superfund Process

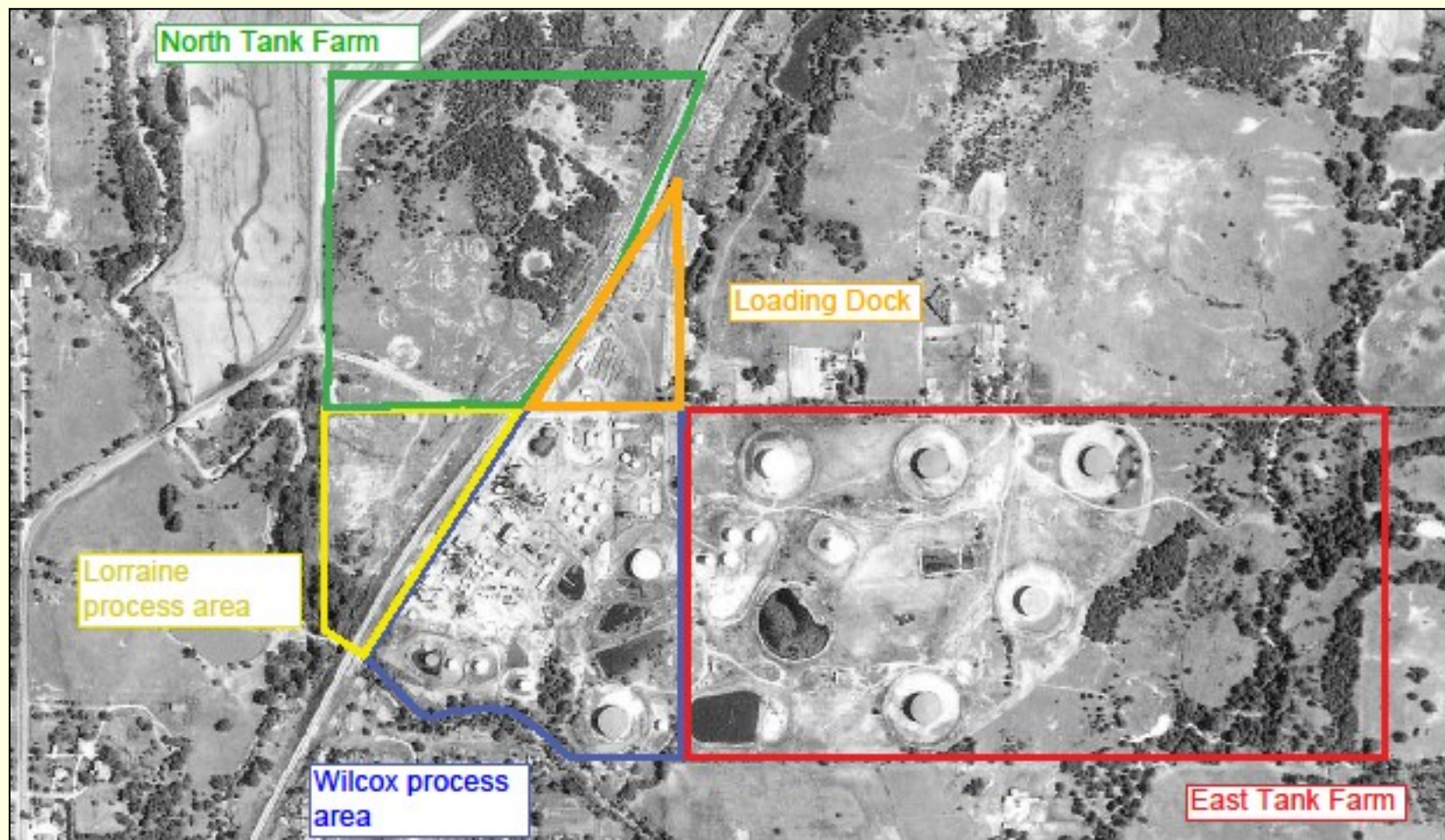


Remedial Process

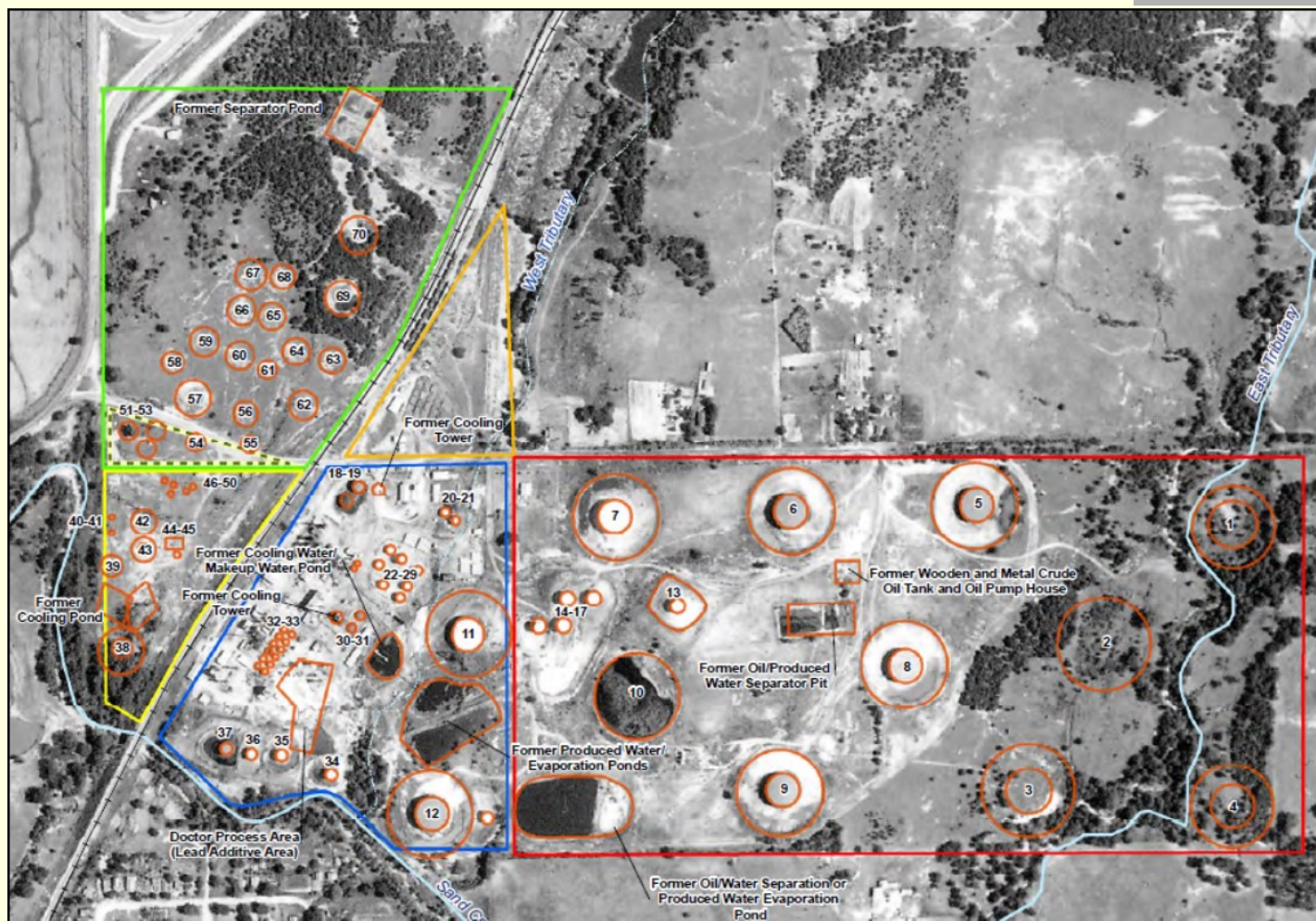
- Remedial Investigation collects data to:
 - Determine Site conditions
 - Determine nature of wastes
 - Evaluate risk from the Site to human health and environment

- Feasibility Study (FS) develops, screens, and evaluates different cleanup options

Site Remedial Investigation (RI)



Site Remedial Investigation (RI)



Activities Completed

Phase 1 2015

- Residential Soil Sampling
- Fencing waste areas
- Geophysics
- Direct Sensing

Phase 2 2016

- Passive Soil Gas Sampling
- Vapor Intrusion Sampling
- Sand Creek Surface Water Sampling
- Residential Well Sampling
- Delineation Soil Sampling

RI Field Work

- Phase 2 – continues
 - Delineation Soil sampling
 - Sediment Sampling
 - Surface Water Sampling



RI Field Work – Phase 1

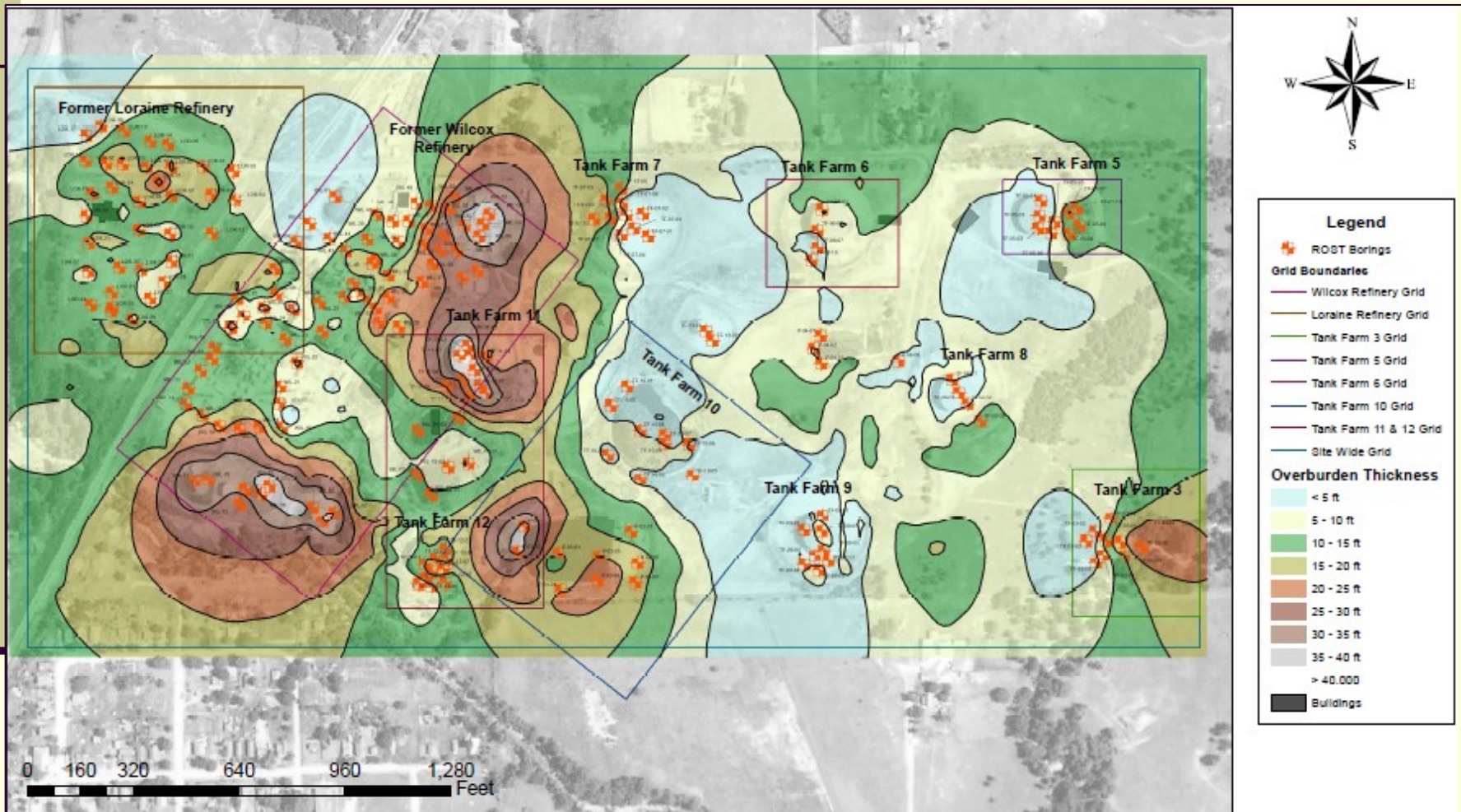


Figure 10
Overburden Thickness Isopach Map
Topography - CPT Refusal

Wilcox Superfund Site
Bristow, Oklahoma

S₂ C₂ inc.

RI Field Work – Phase 1

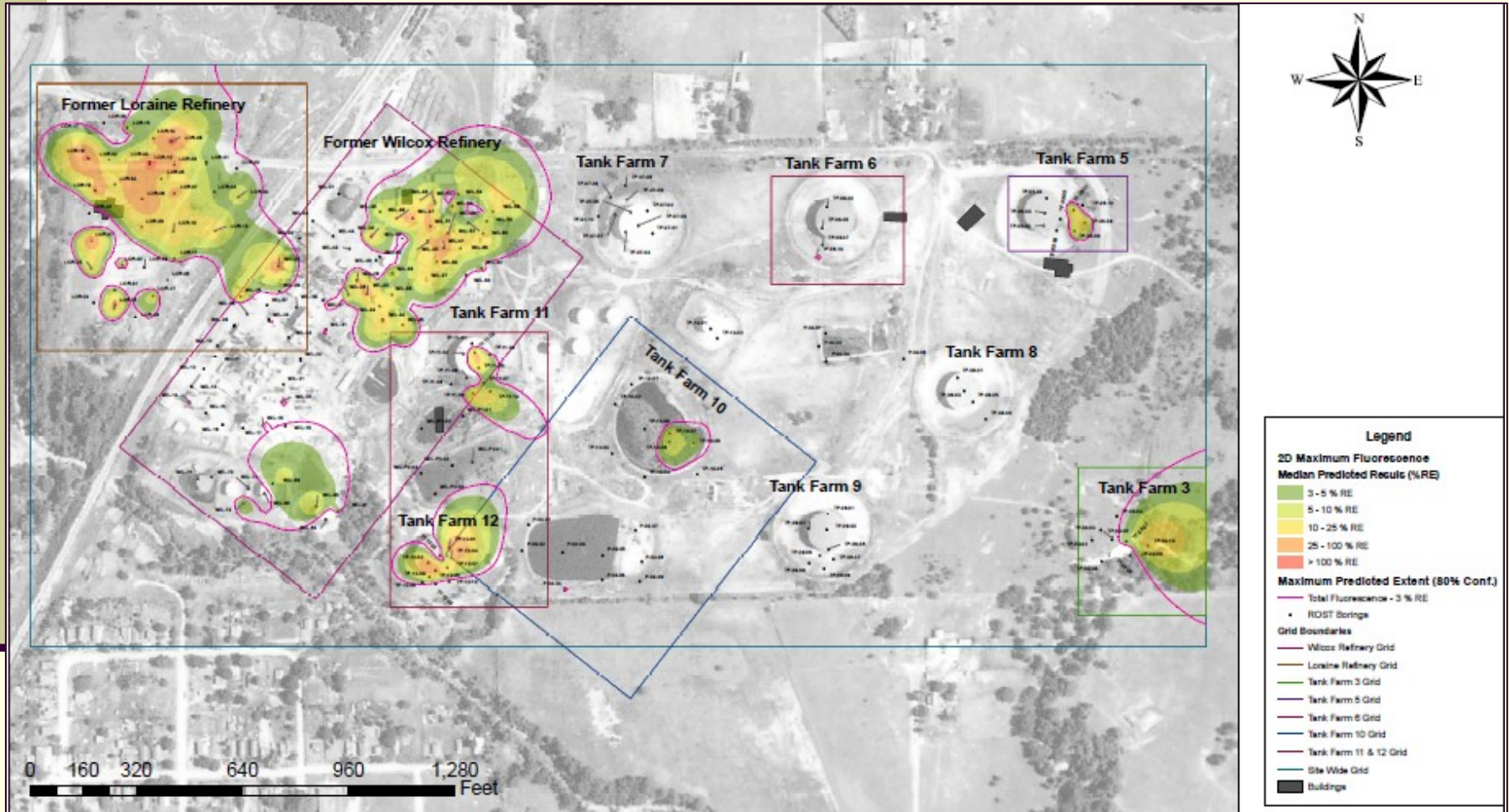
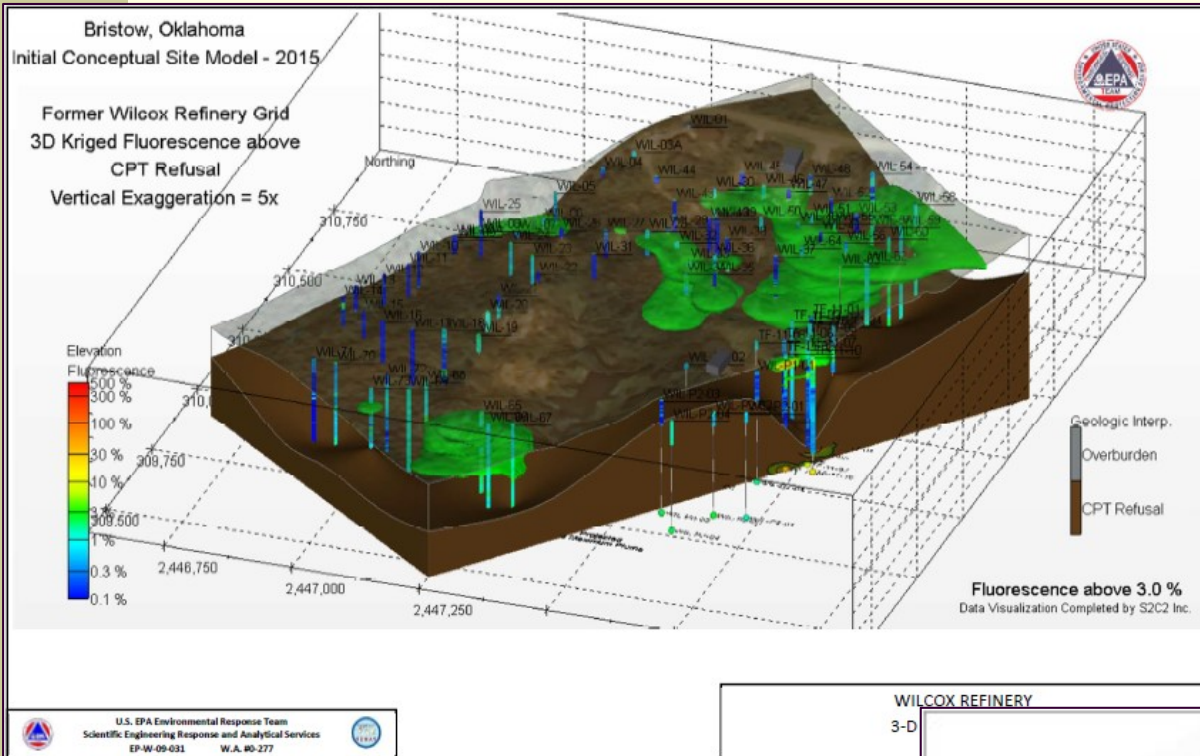


Figure 11
2D Maximum Total Fluorescence
Site Wide

Wilcox Superfund Site
Bristow, Oklahoma

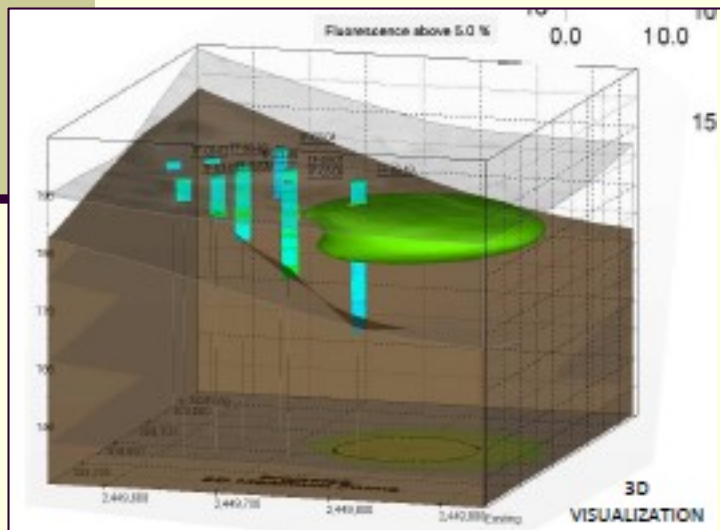
S₂ C₂ inc.

RI Field Work – Phase 1

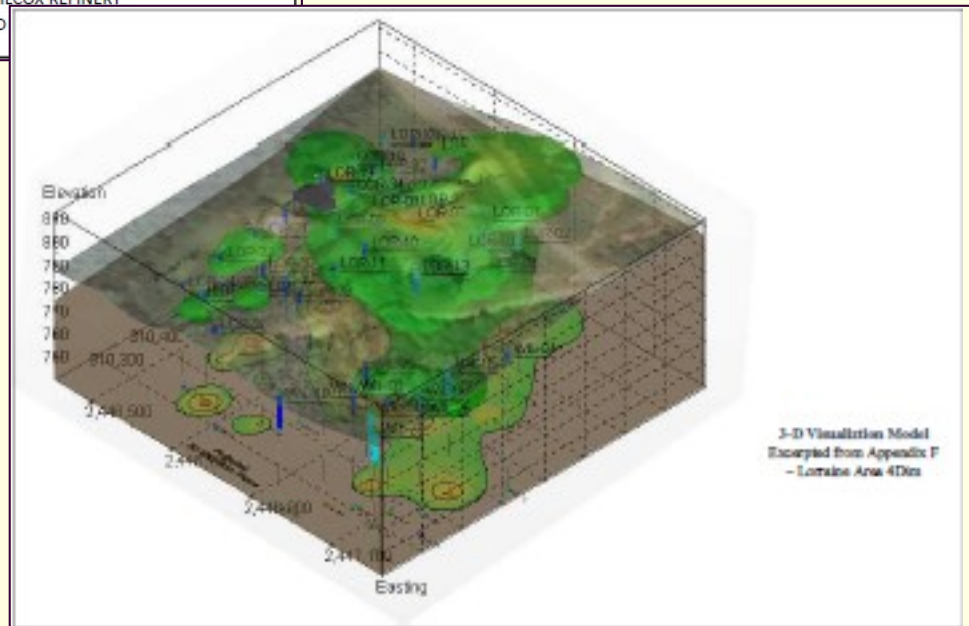


WILCOX REFINERY

3-D



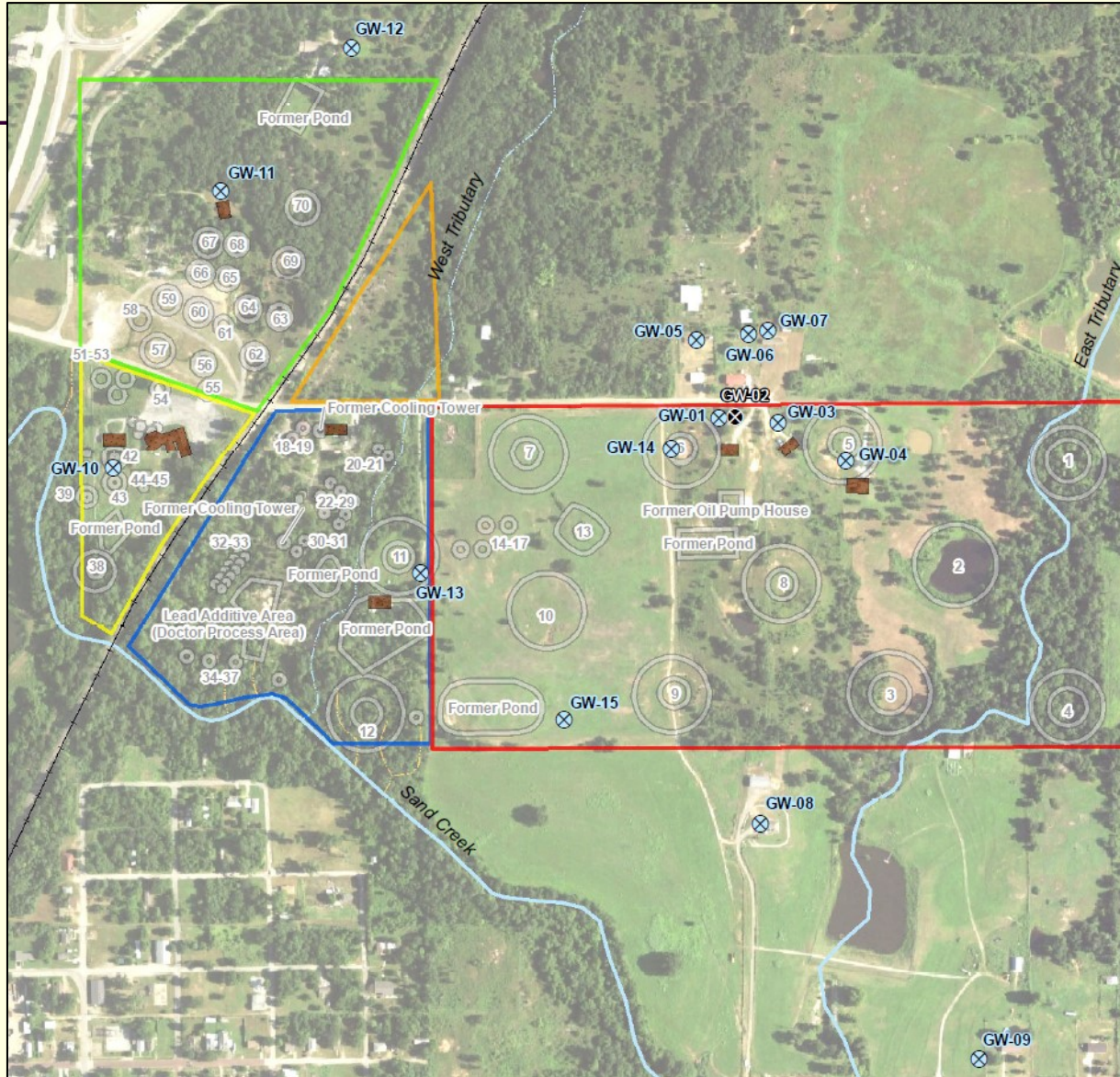
4-13-17---DRAFT 3-23-17



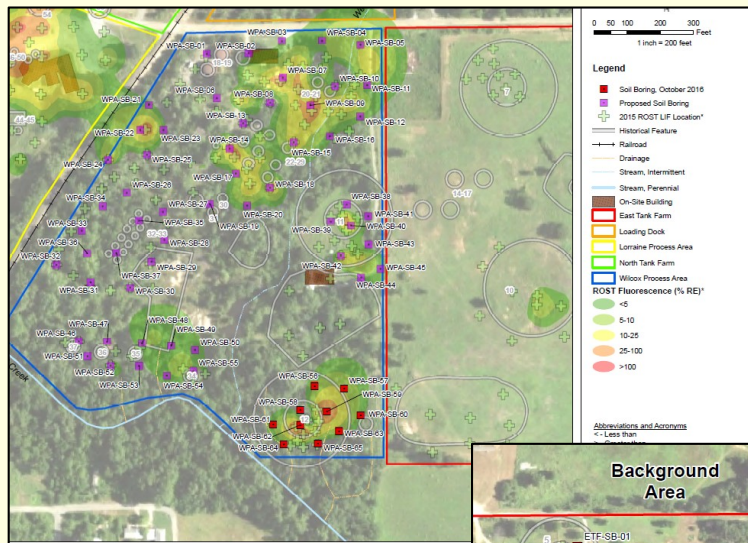
Wilcox Oil Company Open House

13

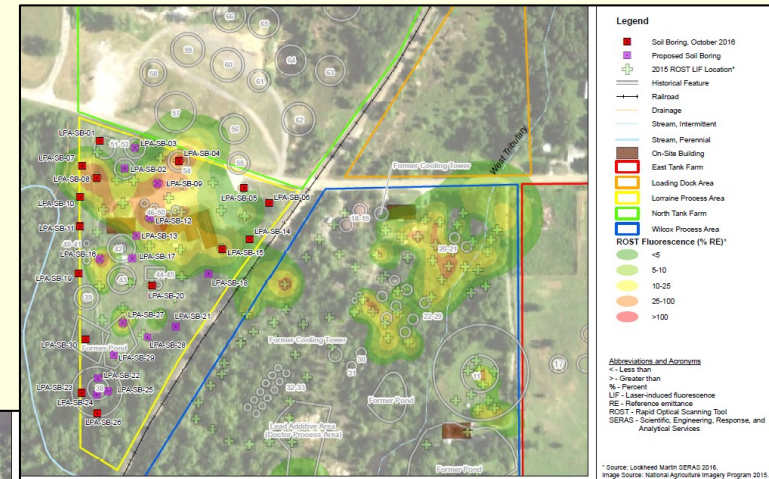
RI Field Work - Phase 2 - Mobilization 1



RI Field Work - Phase 2 - Mobilization 1

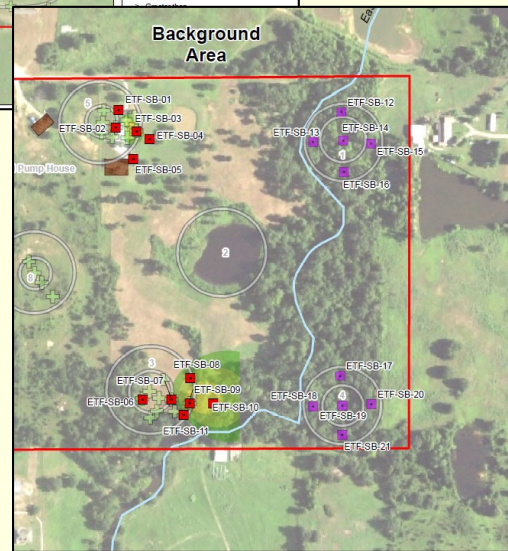


Wilcox



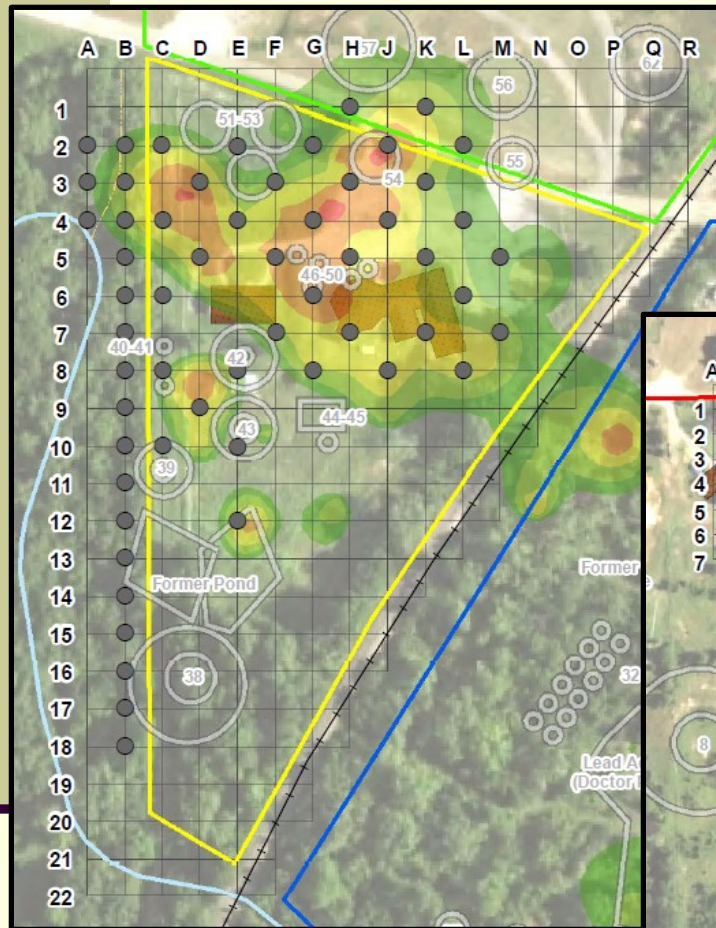
Lorraine

Soil

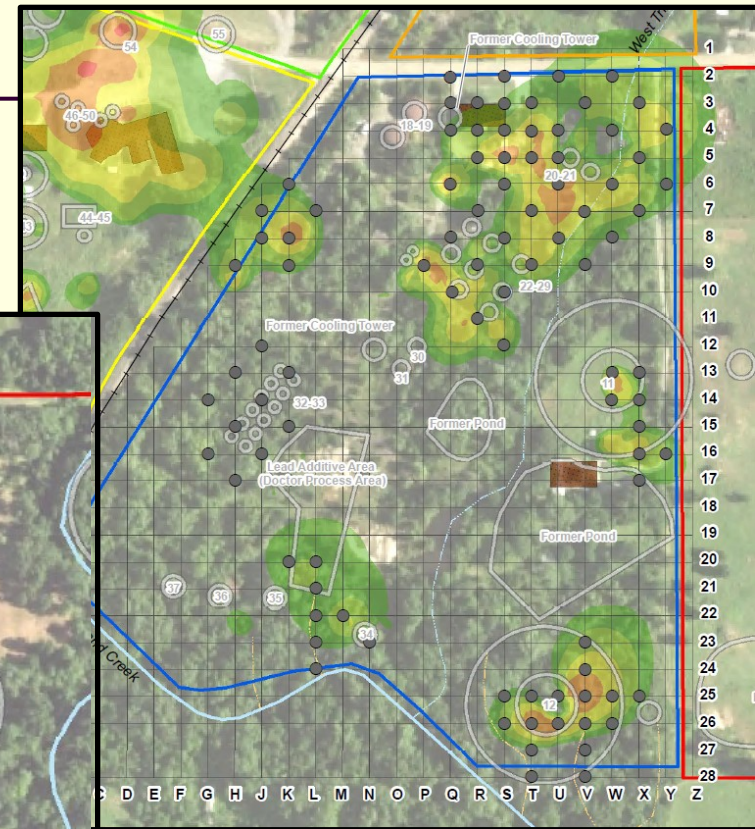


East Tank Farm

RI Field Work - Phase 2 - Mobilization 1



Lorraine



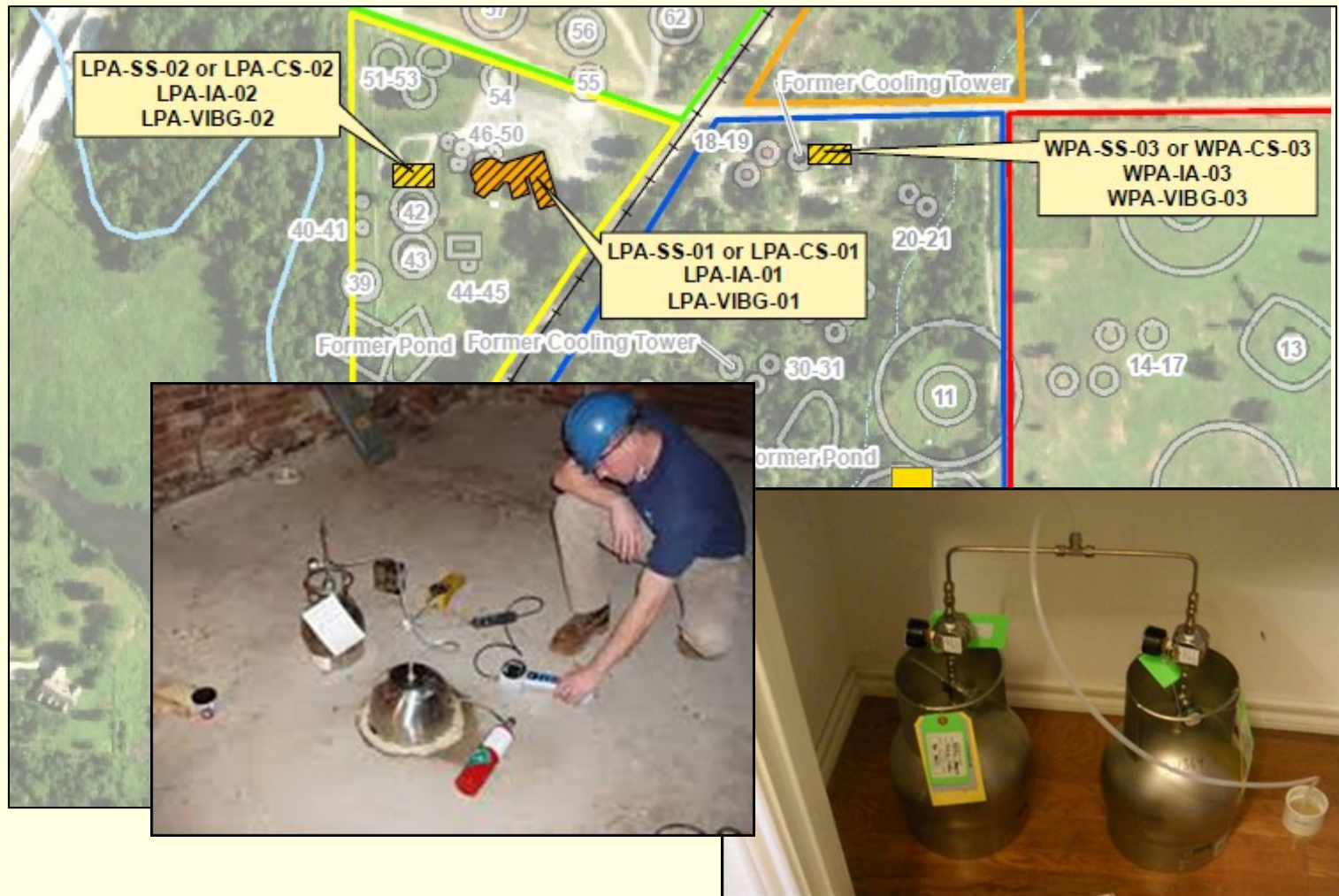
Wilcox

Passive Gas



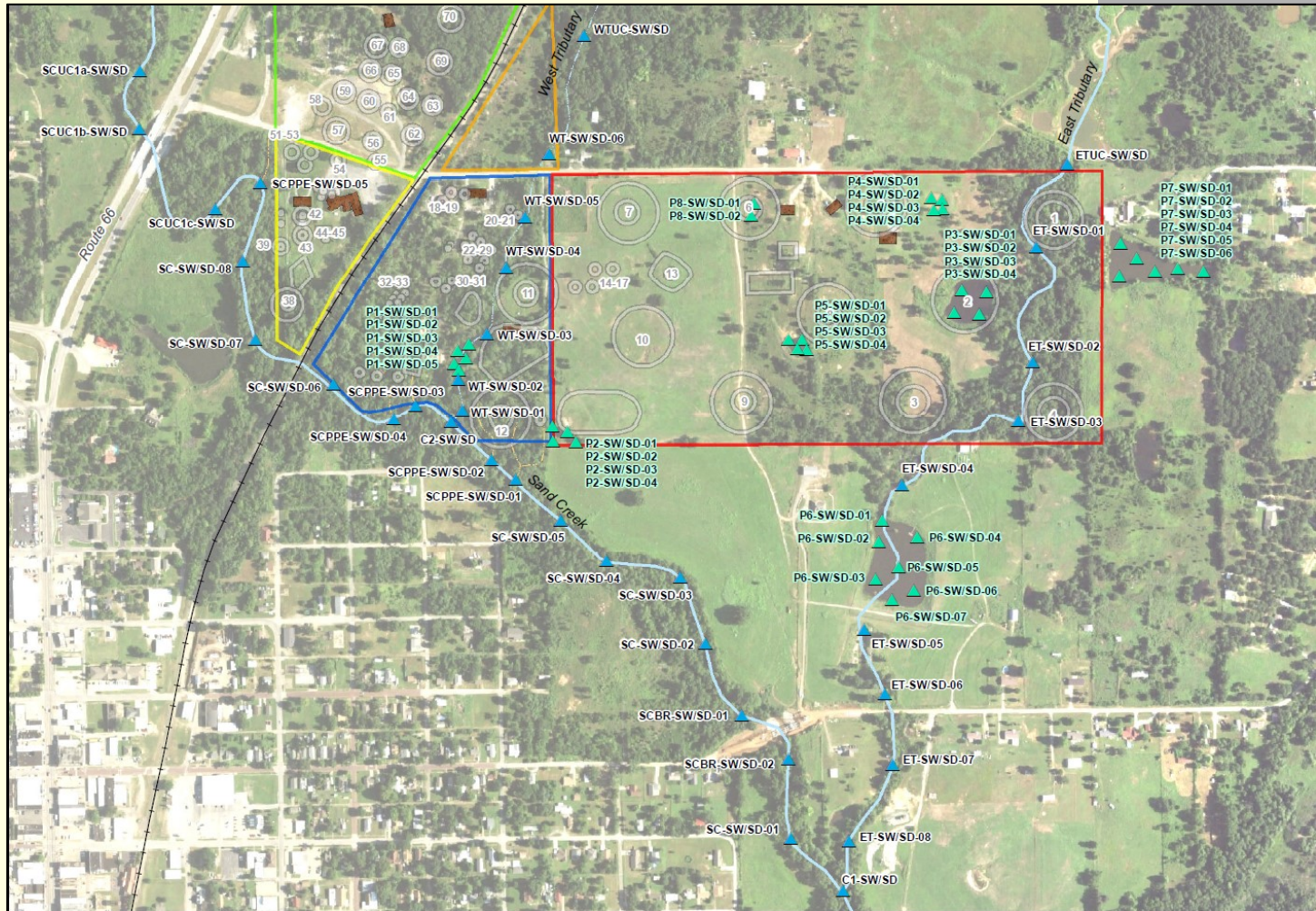
East Tank Farm

RI Field Work - Phase 2 - Mobilization 1



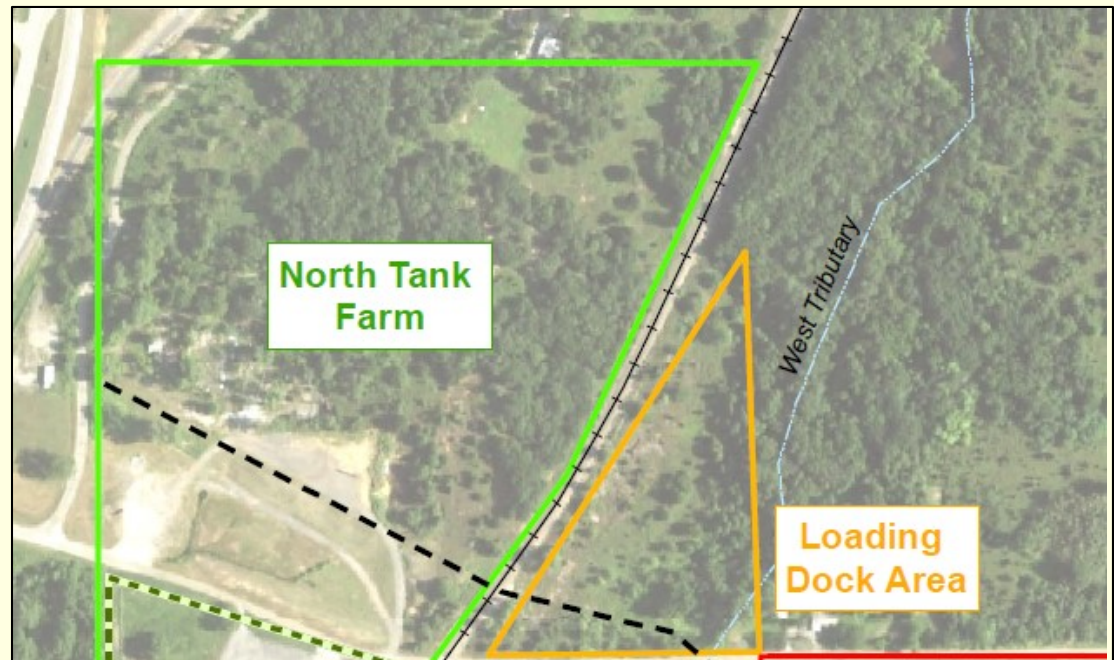
Indoor
Air

RI Field Work - Phase 2 - Mobilization 1



RI Field Work - Phase 2 - Mobilization 2

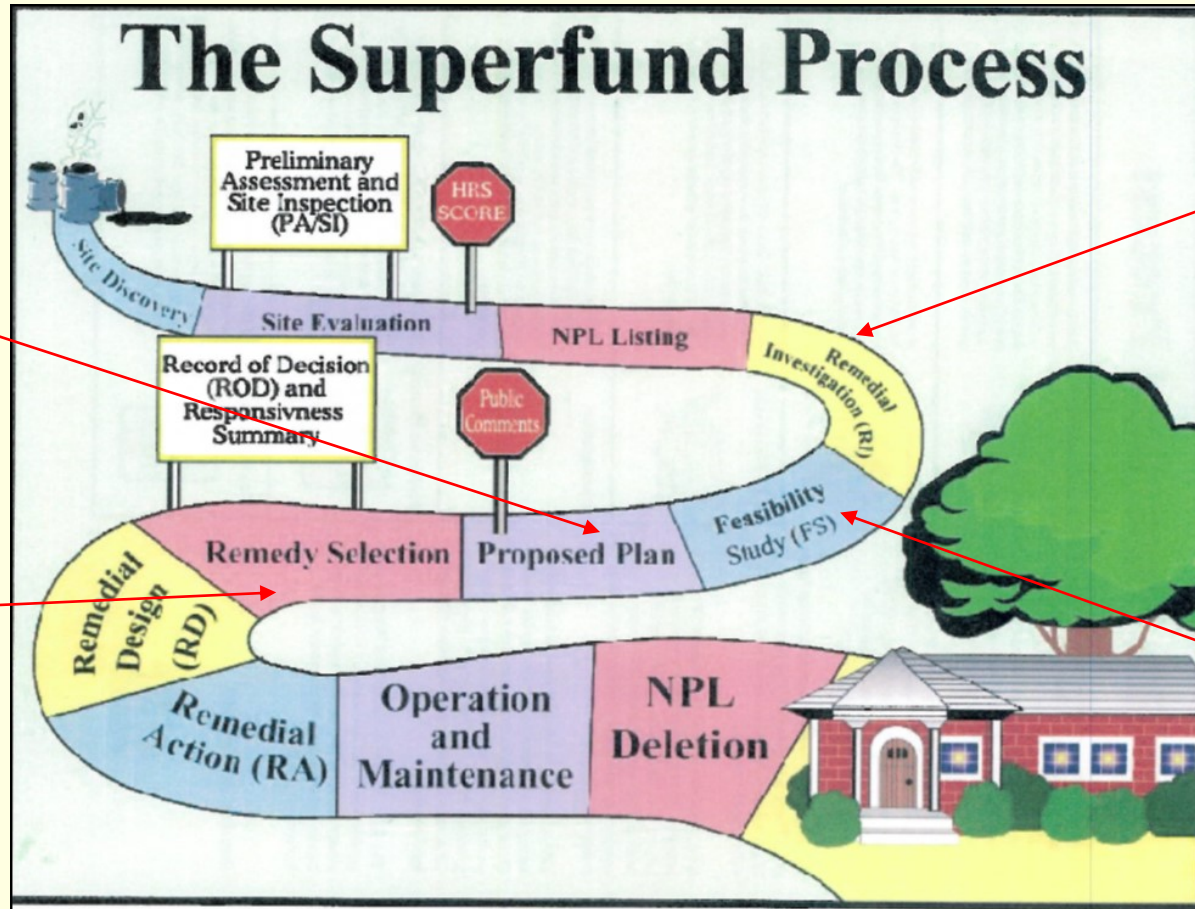
- North Tank Farm
- Loading Dock
- Data Gaps from Mobilization 1
- 2017/2018



Future Work

Proposed Plan to present the preferred clean up option to the public (2020)

Record of Decision to establish the Site clean up (2021)



We are Here.

Feasibility Report to summarize clean up options (2020)

Community Participation

- Site documents can be found at:
 - Bristow Public Library
 - Oklahoma Department of Environmental Quality
- Web Resources
 - ODEQ: www.deq.state.ok.us/lpdnew/index.htm
 - U.S. EPA: <http://www.epa.gov/superfund/search-superfund-sites-where-you-live>
- Contacts
 - EPA, Project Manager: Katrina Higgins-Coltrain 214-665-8143
 - ODEQ, Project Manager: Todd Downham 405-702-5136
 - EPA, Community Involvement: Bill Little 214-665-8131
 - EPA toll-free number 800-533-5308